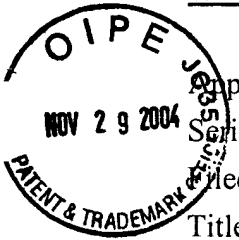


S/N 10/749901

PATENT



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Gregory M. Chrysler et al.	Examiner:	Unknown
Serial No.:	10/749901	Group Art Unit:	2811
Filed:	December 29, 2003	Docket:	884.A74US1
Title:	INTEGRATED MICRO CHANNELS AND MANIFOLD/PLENUM USING SEPARATE SILICON OR LOW COST POLYCRYSTALLINE SILICON		
Assignee:	Intel Corporation	Customer No:	21186

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**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

**INFORMATION DISCLOSURE STATEMENT**

Serial No : 10/749901

Page 2  
Dkt: 884.A74US1 (INTEL)

Filing Date: December 29, 2003

Title: INTEGRATED MICRO CHANNELS AND MANIFOLD/PLENUM USING SEPARATE SILICON OR LOW COST  
POLYCRYSTALLINE SILICONAssignee: Intel Corporation

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The present application is either a U.S. national patent application filed after June 30, 2003 or an international application that entered the national stage under 35 U.S.C. § 371 after June 30, 2003. Thus, Applicant believes that the U.S. Patent & Trademark Office has waived the requirement under 37 C.F.R. 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication. The waiver is provided in a pre-OG notice from the U.S. Patent & Trademark Office entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003" and dated July 11, 2003. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

GREGORY M. CHRYSLER ET AL.

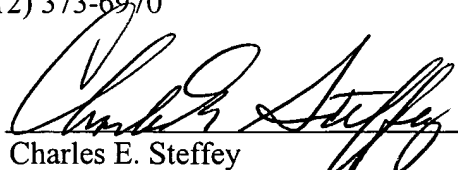
By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
Attorneys for Intel Corporation  
P.O. Box 2938  
Minneapolis, Minnesota 55402  
(612) 373-6970

Date

Nov 23, 2004

By

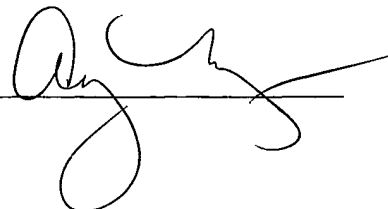
  
Charles E. Steffey  
Reg. No. 25,179

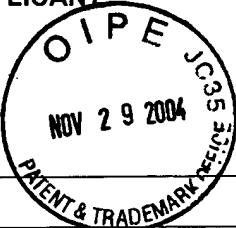
CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 23rd day of November, 2004.

Name

Amy Moriarty

Signature



Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)	<div style="text-align: center;">  </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"><i>Complete if Known</i></td> </tr> <tr> <td style="width: 50%;">Application Number</td> <td>10/749901</td> </tr> <tr> <td>Filing Date</td> <td>December 29, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Chrysler, Gregory</td> </tr> <tr> <td>Group Art Unit</td> <td>2811</td> </tr> <tr> <td>Examiner Name</td> <td>Unknown</td> </tr> <tr> <td colspan="2">Attorney Docket No: 884.A74US1</td> </tr> </table>	<i>Complete if Known</i>		Application Number	10/749901	Filing Date	December 29, 2003	First Named Inventor	Chrysler, Gregory	Group Art Unit	2811	Examiner Name	Unknown	Attorney Docket No: 884.A74US1	
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Examiner Name	Unknown														
Attorney Docket No: 884.A74US1															

US PATENT DOCUMENTS						
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		TUCKERMAN, D. B., et al., "High-Performance Heat Sinking for VLSI", <u>IEEE Electron Device Letters</u> , Vol. EDL-2, No. 5, (May 1981), 126-129	

EXAMINER

DATE CONSIDERED